INDEX

ALINHAC, S. See M. S. Baouendi and S. Alinhac, page 179.

ADOLPHSON, ALAN and STEVEN SPERBER. Exponential sums on the complement of a hypersurface 461

ANDERSON, I. M. and T. DUCHAMP. On the existence of global variational principles 781

BALDASSARRI, F. On second order linear differential equations with algebraic solutions on algebraic curves 517

BAOUENDI, M. S. and S. ALINHAC. Uniqueness for the characteristic cauchy problem and strong unique continuation for higher order partial differential inequalities..... 179

BOARDMAN, J. M. Graded Eilenberg-MacLane ring spectra 979

CARLSSON, GUNNAR. On the non-existence of free actions of elementary abelian groups on products of spheres 1147

COLEMAN, ROBERT F. On a stronger version of the Schanuel-ax theorem 595

DEMICHELE, LEONEDE and ALESSANDRO FIGÀ-TALAMANCA. Positive definite functions on free groups..... 503

DORFMEISTER, J. Quasisymmetric Siegel domains and the automorphisms of homogeneous Siegel domains..... 537

DUCHAMP, T. See I. M. Anderson and T. Duchamp, page 781.

EFFROS, EDWARD G., DAVID E. HANDELMAN, and CHAO-LINAG SHEN. Dimension groups and their affine representations 385

FERRERO, BRUCE. The cyclotomic Z_2-extension of imaginary quadratic fields 447

FIGÀ-TALAMANCA, ALESSANDRO. See Leonede DeMichele and Alessandro Figà-Talamanca, page 503.

FOGARTY, JOHN. Kähler differentials and Hilbert's fourteenth problem for finite groups..... 1159

HANDELMAN, DAVID E. See Edward G. Effros, David E. Handelman, and Chao-Linag Shen, page 385.

HARDT, ROBERT M. Semi-algebraic local-triviality of semi-algebraic mappings..... 291

HIRSCHHORN, PHILIP. See John G. Ratcliffe and Philip Hirschhorn, page 489.

IGUSA, JUN-ICHI. On Jacobi's derivative formula and its generalizations..... 409

IMAI, KAORI. Generalization of Hecke's correspondence to Siegel modular forms 903

JEKEL, SOLOMON M. Loops on the classifying space for foliation .. 13

JIANG, BOJU (CHIANG, PO-CHU). On the least number of fixed points..... 749

KENIG, CARLOS E. Weighted H^p spaces on Lipschitz domains 129
KIEHNE, URSEL. Cubic forms over the unramified hull of the maximal abelian extension of the rationals 1011
KOTTWITZ, ROBERT. Orbital integrals on GL_3 327
KURIHARA, AKIRA. Construction of p-adic unit balls and the Hirzebruch proportionality 565
LANG, WILLIAM E. On the Euler number of algebraic surfaces in characteristic p 511
LUBOTZKY, ALEXANDER. Tannaka duality for discrete groups..... 663
MAGID, ANDY. Representative functions on simply connected solvable groups 303
MARKUS, L. and KENNETH R. MEYER. Periodic orbits and solenoids in general hamiltonian dynamical systems 25
MEYER, KENNETH R. See L. Markus and Kenneth R. Meyer, page 25.
MICHELSOHN, M. L. Clifford and spinor cohomology of Kähler manifolds 1083
MIRANDA, RICK. On the stability of pencils of cubic curves 1177
PIGNO, LOUIS and BRENT SMITH. Quantitative behavior of transforms with norm-bounded partial sums 321
RATCLIFFE, JOHN G. and PHILIP HIRSCHHORN. A simple proof of the algebraic unknotting of spheres in codimension two. 489
RAVENEL, DOUGLAS C. and W. STEPHEN WILSON. The Morava K-theories of Eilenberg-MacLane spaces and the Conner-Floyd conjecture 691
RODINO, LUIGI. Nonsolvability of a higher-order degenerate elliptic pseudodifferential equation..... 1
SCOTT, PETER. A new proof of the annulus and torus theorems ... 241
SEELEY, R. An estimate near the boundary for the spectral function of the Laplace operator 869
SERIES, CAROLINE. The poincaré flow of a foliation..... 93
SHEN, CHAO-LINAG. See Edward G. Effros, David E. Handelman, and Chao-Linag Shen, page 385.
SMITH, BRENT. See Louis Pigno and Brent Smith, page 321.
SMITH, R. R. and J. D. WARD. Matrix ranges for Hilbert space operators 1031
SPERBER, STEVEN. See Alan Adolphson and Steven Sperber, page 461.
SRIVASTAVA, S. M. A representation theorem for G_δ-valued..... 165
STANTON, DENNIS. Some q-Krawtchouk polynomials on Chevalley groups 625
STILLER, PETER F. Elliptic curves over function fields and the Picard number 565
STURM, JACOB. Special values of zeta functions, and Eisenstein series of half integral weight..... 219
STURM, JACOB. Addendum to "Special values of zeta functions" .. 781

SULLIVAN, JOHN BRENDAN. Frobenius operations on Hochschild cohomology 765
TSUSHIMA, RYUJI. A formula for the dimension of spaces of Siegel cusp forms of degree three 937
UY, NGUYEN XUAN. An extremal problem on singular integrals... 279
WARD, J. D. See R. R. Smith and J. D. Ward, page 1031.
WILSON, W. STEPHEN. See Douglas C. Ravenel and W. Stephen Wilson, page 691.
WONG, PIT-MAN. Holomorphic mappings into Abelian varieties .. 493
ZARISKI, OSCAR. Addendum to Foundations of a general theory of equisingularity on r-dimensional algebroid and algebraic varieties, of embedding dimension $r + 1$ 649

Sir William Rowan Hamilton

Thomas L. Hankins

Sir William Rowan Hamilton (1805-1865), the Royal Astronomer of Ireland, was one of the nineteenth century's leading mathematicians. He was also a Romantic poet, a friend and disciple of William Wordsworth and Samuel Taylor Coleridge, and an early proponent of Kant's metaphysics. Thomas L. Hankins's biography of Hamilton, the first in ninety years, movingly depicts not only the scientific achievements but the personal history of a man intellectually and philosophically ahead of his time, yet mired in the strictures of Victorian society. **$32.50**

Johns Hopkins

The Johns Hopkins University Press, Baltimore, Maryland 21218